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POLYMER	PRODUCER	DENOMINATION
PA 6	BASF	B 35 F, B 4
PA 6	UBE	1022 C 2
PA 6/66	BASF	C 35 F
PA 6/66	UBE	FDX 17, FDX 27
Amorphous PA	Dupont	Selar PA 3426
Aliphatic PA	Mitsubishi	MXD 6
PVA	Idroplast	Plyvinilalcol
PGA	Kurea	Polyglycolic acido
Ionomers	Dupont	Surlyn 1705, 1650, 1601
Terionomers	Dupont	Surlyn 1857, 1801, 1901
EVA	Dupont	Elvax 3135 X
EVA	Exxon	UL 00909
Ethylene methacrylic acid copolymer	Dupont	Nucrel 1202 HC
Ethylene acrylic acid copolymer	DOW	Primacor 1410, 1321, 1420
Plastomeri etilene - ottene	DOW	Affiniti serie PL
Ethylene - octhene plastomers	Exxon	Serie EXAT
LLDPE modified with maleic anhydride	Dupont	Bynel serie 4000, serie 4100, serie 4200
LLDPE	DSM	Stamylex 08-026 F, 1026 F, 1046 F, 09-046 F
LLDPE	DOW	Dowlex 2047, 2045, 2602 T
LDPE	DOW	562 R
LDPE	DSM	Stamylan 2102 T, 2402 T, 2602 T

N Table 1

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Layers	% Nom.	Change %	Example 1	Example 2	Example 3	Example 4	Example 5	Example 6	Example 7	Example 8	Example 9	Example 10	Example 11
A	20	± 10	Ionomer	Ionomer	Ionomer	Ionomer	Ionomer	Ionomer	Plastomer	LLDPE	LDPE	Ionomer	Ionomer
B	10	± 5	Terionomer	Terionomer	Terionomer	Terionomer	Terionomer	Terionomer	Modified LLDPE	Modified LLDPE	EVA + ethylene methacrylic acid copolymer	Terionomer	Terionomer
C	15	± 5	PA 6/66	PA 6/66 + aliphatic PA	PA 6/66 + amorphous PA + Terionomer	PA 6/66	PA 6/66	PA 6/66	PA 6/66 + amorphous PA	PA 6/66 + amorphous PA	PA 6/66 + PA 6	PA 6/66	PA 6/66
D	15	± 5	Terionomer	Terionomer	Terionomer	Terionomer	Terionomer	Terionomer	Modified LLDPE	Modified LLDPE	EVA + ethylene methacrylic acid copolymer	EVA + ethylene methacrylic acid copolymer	EVA + ethylene methacrylic acid copolymer
E	15	± 5	PA 6/66	PA 6/66	PA 6/66	PA 6/66 + amorphous PA	PA 6/66 + amorphous PA + Terionomer	Aliphatic PA	PA 6/66	PA 6/66	PA 6/66	PVA Polyvinylalcohol	PGA Polyglycolic acid
F	10	± 5	Terionomer	Terionomer	Terionomer	Terionomer	Terionomer	Terionomer	Modified LLDPE	Modified LLDPE	EVA + ethylene methacrylic acid copolymer	EVA + ethylene methacrylic acid copolymer	EVA + ethylene methacrylic acid copolymer
G	15	± 10	PA 6/66	PA 6/66	PA 6/66	PA 6/66	PA 6/66	PA 6/66	PA 6	PA 6/66	PA 6/66	PA 6/66	PA 6/66

Table 2

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Characteristic to compare	Unit	Test method (ASTM)	Tipo BB	Example 1	Example 2	Example 3	Example 4	Example 5	Example 6	Example 7	Example 8	Example 9	Example 10	Example 11
	Test direction		MD/TD	MD/TD	MD/TD	MD/TD	MD/TD	MD/TD	MD/TD	MD/TD	MD/TD	MD/TD	MD/TD	MD/TD
Thickness	μm	//	60	60	60	60	60	60	60	60	60	60	60	60
Ultimate load	Mpa	D 822	60-65	110-128	110-128	110-128	110-128	110-128	110-128	115-135	115-135	115-135	110-125	110-125
Ultimate elongation	%	D 882	170-160	125-80	125-80	125-80	125-80	125-80	125-80	130-90	130-90	130-90	120-85	122-88
Impact strength	kJ/m^2	//	5-4,8	5,0-4,0	5,0-4,0	5,0-4,0	5,0-4,0	5,0-4,0	5,0-4,0	6,5-6,0	6,5-6,0	6,5-6,0	5,5-4,8	5,5-5
Welding strength	N/cm	//	25	30	30	30	30	30	30	32	35	33	30	30
Sinkage at 75°	%	//	24-28	20-22	20-22	20-22	20-22	20-22	20-22	18-20	18-20	18-20	20-22	20-22
Sinkage at 85°	%	//	32-42	30-32	30-32	30-32	30-32	30-32	30-32	28-30	28-30	28-30	28-30	28-30
Sinkage at 95°	%	//	38-48	36-42	36-42	36-42	36-42	36-42	36-42	35-40	35-40	35-40	35-40	35-40
Sinkage strength	MPa	//	5,4-5,9	6,0-6,3	6,0-6,3	6,0-6,3	6,0-6,3	6,0-6,3	6,0-6,3	3,9-4,1	3,9-4,1	3,9-4,1	4,2-4,5	4,1-4,3
Haze	%	D 1006	4,0	1,8	1,8	1,8	1,8	1,8	1,8	2,5	2,8	2,2	2,3	2,3
Gloss	%	D 2534	100	120	120	120	120	120	120	110	110	110	110	110
Oxygen permea bility at 0% RH	$\text{cc/24h}^{\circ}\text{m}^2\text{atm}$	D 3985	25	25	18	12	25	12	18	25	25	25	8	6
Oxygen permea bility at 80%	$\text{cc/24h}^{\circ}\text{m}^2\text{atm}$	D 3985	32	40	25	18	35	16	25	35	35	35	12	10
Aqueous steam transmissivity	$\text{g/24h}^{\circ}\text{m}^2$	F 385	8	14	14	14	14	14	12	8	8	8	8	8
Curling phenomenon	//	//	absent	low	absent	low	low	low	absent	absent	absent	absent	low	low

Table 3

(*) film delamination